DATA AUTOMATED COMMUNICATIONS TERMINAL

Briefed by
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POM-06 Command Element Advocacy Board (CEAB)

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REQUIREMENT DESCRIPTION:

Tactical input/output battlefield SA system and communications terminal

- Ruggedized Handheld Computer (RHC) / Ruggedized PDA
- Command & Control PC (C2PC) / Command & Control CE (C2CE)

CAPABILITY PROVIDED:

- Provides digital mapping and GPS navigation to small unit leaders
- Gives commanders/section leaders ability to exchange preformatted Variable Message Format (VMF) messages, routes and overlays
- Automates critical friendly and enemy maneuver unit PLI reporting - frees small unit leaders to focus on other critical elements of warfighting
- Injects PLI into the MAGTF commander's COP, thus greatly increasing tempo of battle, while greatly reducing the potential for fratricide
- Foundation of the MAGTF's Common Operational Picture

URGENCY TO COMPETE IN POM06:

- The requirement exists for continued spiral development and enhancement of the Mounted and Dismounted Data Automated Communications Terminal (M/D-DACT) based upon lessons-learned from OIF.

- The requirement for enhanced communications paths, hardware and software version product improvement (to include a graphical user interface specifically designed for the tactical warfighter at the company/platoon level) will enable the DACT to better meet the needs of the Expeditionary Marine Warfighter.

- Integration with smaller and more precise Selective Availability Anti-Spoofing Module (SAASM) GPS is an additional requirement that will enhance the combat commander's ability to use the GPS precise positioning, velocity and time in all environments by reducing Electronic Warfare threats.

- A specific requirement exists for the D-DACT to provide PLI down to the small-unit leader at the platoon. The D-DACT must be lightweight and portable with the ability to act as a GPS navigation aid to the operator.

STATUS OF REQUIREMENTS DOCUMENATION (ICD, CCD, MNS ORD, SON):

DACT is post-MS C, pending an ORD re-write for requirement for Blue Force Tracking capability down to the Marine Squad, addition of ACE and FSSG allowances, and proposed adjustment of Support Establishment Allowance to field to Expeditionary Warfare School and other formal schools.

M-DACT AAO:

I MEF	319	DMFA	62
II MEF	266	WRMR	0
III MEF	123	NALMEB	0
SMCR	294	Other	0
Supt Est	48		
		Total	**1,112**

D-DACT AAO:

I MEF	561	DMFA	96
II MEF	502	WRMR	0
III MEF	276	NALMEB	0
SMCR	552	Other	0
Supt Est	57		
		Total	**2,044**

RELATED SYSTEMS: EPLRS, TDN, IOW, IOS, GCCS, AFATDS, TBMCS

OUTSTANDING ISSUES:

- Interoperability with Army FBCB2
- SAASM integration
- Graphical User Interface design
- Placement in tactical vehicles
- Communications Path – Non-Line of Sight Capability
- Display screen size
- System Complexity
- Architecture design
- Training – MTP finalized with non-06XX MOSs and associated ITSs updated
- Potential increase in AO to include more GCE vehicles, and to include the ACE and FSSG nodes

POTENTIAL NEW AAO NUMBERS (PARTIAL VEHICLES)

- HMMWVs = 19,598
- LAVs = 735
- M1A1 = 403
- AAV = 1,057
- 7 Ton = 6,393
- AN-MRC-145 = 1,487
- **Total = 29,673**